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US 20050253582 A1	US- PGPUB	20051117	8	Multi-turn element RF coil array for multiple channel MRI	324/318		Giaquinto, Randy Otto John et al.
US 20050226370 A1	US- PGPUB	20051013		Method and system for imaging a volume using a three-dimensional spiral scan trajectory	378/27		Al-khalidy, Abdulrahman et al.
US 20050135707 A1	US- PGPUB	20050623	16	Method and apparatus for registration of lung image data	382/294	382/128	Turek, Matthew William et al.
US 20050133706 A1	US- PGPUB	20050623		Method and system for three dimensional tomosynthesis imaging	250/234		Eberhard, Jeffrey Wayne et al.
US 20050110492 A1	US- PGPUB	20050526	7	Matrix coil for generating a variable magnetic field	324/318		Watkins, Ronald Dean et al.
US 20050074155 A1	US- PGPUB	20050407		Method and system for unsupervised transfer function generation for images of rendered volumes	382/131	382/154	Alyassin, Abdalmajeid Musa
US 20050020904 A1	US- PGPUB	20050127	7	System and method for the detection of brain iron using magnetic resonance imaging	600/410	600/420	Cline, Harvey Ellis et al.
US 20040264752 A1	US- PGPUB	20041230		System and method for segmenting tissue types in dual-echo magnetic resonance images	382/128	382/224; 382/254	Cline, Harvey E. et al.
US 20040239325 A1	US- PGPUB	20041202		Methods and systems for fabricating magnetic resonance gradient coils	324/318	324/309	Hardy, Christopher Judson et al.
US 20040236550 A1	US- PGPUB	20041125		Mathematical model and a method and apparatus for utilizing the model	703/2		Edic, Peter Michael et al.
US 20040102692 A1	US- PGPUB	20040527		Magnetic resonance imaging system and methods for the detection of brain iron deposits	600/410		Schenck, John Frederick et al.
US 20030194121 A1	US- PGPUB	20031016		Computer aided detection (CAD) for 3D digital mammography	382/132		Eberhard, Jeffrey Wayne et al.
US 20030194119 A1	US- PGPUB	20031016		Semi-automatic segmentation algorithm for pet oncology images	382/131		Manjeshwar, Ravindra Mohan et al.
US	US-	20031016		Multi modality X-ray and	378/37		Eberhard,

20030194050 A1	PGPUB			nuclear medicine mammography imaging system and method			Jeffrey Wayne et al.
US 20030142857 A1	US- PGPUB	20030731		Method and system for segmenting magnetic resonance images	382/131	382/170; 382/173	Alyassin, Abdalmajeid Musa
US 20030113003 A1	US- PGPUB	20030619		Method and system for segmentation of medical images	382/128		Cline, Harvey Ellis et al.
US 20030095692 A1	US- PGPUB	20030522		Method and system for lung disease detection	382/128	382/228	Mundy, Joseph Leagrand et al.
US 20030071621 A1	US- PGPUB	20030417		RF COIL FOR REDUCED ELECTRIC FIELD EXPOSURE FOR USE IN VERY HIGH FIELD MAGNETIC RESONANCE IMAGING	324/318	324/322	Watkins, Ronald Dean et al.
US 20020153893 A1	US- PGPUB	20021024		RF coil for very high field magnetic resonance imaging	324/318	324/307; 324/309	Watkins, Ronald Dean et al.
US 20020127523 A1	US- PGPUB	20020912		Mathematical model and a method and apparatus for utilizing the model	434/211		Edic, Peter Michael et al.
US 20020094134 A1	US- PGPUB	20020718		Method and system for placing three-dimensional models	382/285	703/2	Nafis, Christopher Allen et al.
US 20020002331 A1	US- PGPUB	20020103		MR IMAGING WITH PARTIAL K-SPACE ACQUISITION USING SPIRAL SCANNING	600/410	324/307; 324/309	CLINE, HARVEY ELLIS et al.
US 7006677 B2	USPAT	20060228		Semi-automatic segmentation algorithm for pet oncology images	382/131	128/922; 382/128	Manjeshwar; Ravindra Mohan et al.
US 6982552 B2	USPAT	20060103		Methods and systems for fabricating magnetic resonance gradient coils	324/307		Hardy; Christopher Judson et al.
US 6978039 B2	USPAT	20051220		Method and system for segmentation of medical images	382/128	128/922	Cline; Harvey Ellis et al.
US 6933724 B2	USPAT	20050823		Matrix coil for generating a variable magnetic field	324/319	324/320	Watkins; Ronald Dean et al.
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B2				field magnetic resonance imaging			Ronald Dean et al.
US 6793496 B2	USPAT	20040921		Mathematical model and a method and apparatus for utilizing the model	434/262	434/267	Edic; Peter Michael et al.
US 6631322 B1	USPAT	20031007		Method and apparatus for vehicle management	701/211	340/991; 340/993; 340/995.12; 340/995.19; 342/451; 342/457; 701/117; 701/204; 701/213	Arthur; Richard Brownell et al.
US 6625565 B1	USPAT	20030923		Method and apparatus for determining an unsupervised planar geodesic path	702/167		Alyassin; Abdalmajeid M. et al.
US 6611575 B1	USPAT	20030826		Method and system for high resolution 3D visualization of mammography images	378/37	378/197; 378/22	Alyassin; Abdalmajeid Musa et al.
US 6539074 B1	USPAT	20030325		Reconstruction of multislice tomographic images from four-dimensional data	378/4	378/8; 378/901	Yavuz; Mehmet et al.
US 6538441 B1	USPAT	20030325		RF coil for reduced electric field exposure for use in very high field magnetic resonance imaging	324/318	324/300; 324/309	Watkins; Ronald Dean et al.
US 6522786 B1	USPAT	20030218		Gradient filter and method for three dimensional NMR data set	382/257	382/128; 382/154; 382/275; 382/308; 600/410	Cline; Harvey Ellis
US 6504372 B1	USPAT	20030107		High field open magnetic resonance magnet with reduced vibration	324/319	324/320	Cline; Harvey Ellis
US 6463168 B1	USPAT	20021008		Apparatus and method for rapid connectivity processing of images	382/131	250/201.2; 382/128	Alyassin; Abdalmajeid Musa et al.
US 6438403 B1	USPAT	20020820		Method and apparatus for cardiac analysis using four-dimensional connectivity	600/410	345/424; 382/128; 382/130; 382/131;	Cline; Harvey Ellis et al.

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US 6437567 B1	USPAT	20020820		Radio frequency coil for open magnetic resonance imaging system	324/318	600/422	Schenck; John Frederick et al.
US 6411919 B1	USPAT	20020625		Method and apparatus for generating cable occupancy volumes	702/156	174/113R; 250/358.1; 439/61; 702/30; 702/35	Davis; Jonathan Earl et al.
US 6400152 B1	USPAT	20020604		Spiral trajectory calculations for MRI	324/309		Cline; Harvey Ellis et al.
US 6392646 B1	USPAT	20020521		Iterative determination of the shortest path between two points on a polygonal surface	345/420		Yamrom; Boris et al.
US 6298148 B1	USPAT	20011002		Method of registering surfaces using curvature	382/128		Cline; Harvey Ellis et al.
US 6281681 B1	USPAT	20010828		Magnetic resonance imaging with interleaved Fibonacci spiral scanning	324/310	324/307; 324/309	Cline; Harvey Ellis et al.
US 6275559 B1	USPAT	20010814		Method and system for diagnosing faults in imaging scanners	378/4	378/207	Ramani; Vipin Kewal et al.
US 6249693 B1	USPAT	20010619		Method and apparatus for cardiac analysis using four-dimensional connectivity and image dilation	600/410		Cline; Harvey Ellis et al.
US 6219060 B1	USPAT	20010417		Rendering of surfaces from volumetric data employing both dividing and stretching cubes	345/424	345/427	Ludke; Siegwalt et al.
US 6211674 B1	USPAT	20010403		Method and system for providing a maximum intensity projection of a non-planar image	324/307	324/309; 324/312	Cline; Harvey Ellis et al.
US 6204853 B1	USPAT	20010320		4D KAPPA5 Gaussian noise reduction	345/424	345/419; 345/420;	Cline; Harvey Ellis

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US 6155978 A	USPAT	20001205		Three-dimensional imaging by projecting morphologically filtered pixel data	600/443	128/916	Cline; Harvey Ellis et al.
US 6115048 A	USPAT	20000905		Fast method of creating 3D surfaces by `stretching cubes`	345/424		Cline; Harvey Ellis et al.
US 6058218 A	USPAT	20000502		Enhanced visualization of weak image sources in the vicinity of dominant sources	382/254	382/128; 382/257; 382/270; 382/283	Cline; Harvey Ellis
US 5903664 A	USPAT	19990511		Fast segmentation of cardiac images	382/154		Hartley; Richard Ian et al.
US 5900880 A	USPAT	19990504		3-D surfaces generated from a list of cubic elements	345/423	345/424; 345/427	Cline; Harvey Ellis et al.
US 5873845 A	USPAT	19990223		Ultrasound transducer with focused ultrasound refraction plate	601/3	310/334	Cline; Harvey Ellis et al.
US 5832134 A	USPAT	19981103		Data visualization enhancement through removal of dominating structures	382/257	382/131; 382/262; 382/274; 382/300	Avinash; Gopal Biligeri et al.
US 5821942 A	USPAT	19981013		Ray tracing through an ordered array	345/424	345/421	Avila; Ricardo Scott et al.
US 5817036 A	USPAT	19981006		System and method for treatment of a prostate with a phase fresnel probe	601/3		Anthony; Thomas Richard et al.
US 5740802 A	USPAT	19980421		Computer graphic and live video system for enhancing visualization of body structures during surgery	600/407	352/60; 434/267; 703/2	Nafis; Christopher Allen et al.
US 5711300 A	USPAT	19980127		Real time in vivo measurement of temperature changes with NMR imaging	600/412		Schneider; Erika et al.
US 5705014 A	USPAT	19980106		Carbon fiber magnetic resonance compatible	156/272.4	156/242; 156/244.23;	Schenck; John

				instruments		156/245; 156/272.2; 156/279; 600/410	Frederick et al.
US 5682506 A	USPAT	19971028		Method and system for group visualization of virtual objects	345/419	715/733	Corby, Jr.; Nelson Raymond et al.
US 5659629 A	USPAT	19970819		Visualization of a multi-dimensional data set acquired with a surface receive coil	382/131	345/419	Cline; Harvey Ellis
US 5611025 A	USPAT	19970311		Virtual internal cavity inspection system	345/419		Lorensen; William E. et al.
US 5542036 A	USPAT	19960730		Implicit modeling of swept volumes and swept surfaces	345/424		Schroeder; William J. et al.
US 5514962 A	USPAT	19960507		Oblique MR image controlled from a 3D workstation model	324/309	324/307	Cline; Harvey E. et al.
US 5458126 A	USPAT	19951017		Cardiac functional analysis system employing gradient image segmentation	600/425	324/309; 600/481	Cline; Harvey E. et al.
US 5433199 A	USPAT	19950718		Cardiac functional analysis method using gradient image segmentation	600/413	600/428	Cline; Harvey E. et al.
US 5412563 A	USPAT	19950502		Gradient image segmentation method	345/420	345/581	Cline; Harvey E. et al.
US 5365927 A	USPAT	19941122		Magnetic resonance imaging system with pointing device	600/410	324/309	Roemer; Peter B. et al.
US 5345490 A	USPAT	19940906		Method and apparatus for converting computed tomography (CT) data into finite element models	378/4	345/420; 345/424; 378/901	Finnigan; Peter M. et al.
US 5204625 A	USPAT	19930420		Segmentation of stationary and vascular surfaces in magnetic resonance imaging	324/306	324/309	Cline; Harvey E. et al.
US 5187658 A	USPAT	19930216		System and method for segmenting internal structures contained	382/128	324/306; 345/581; 382/173	Cline; Harvey E. et al.

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US 5166876 A	USPAT	19921124		System and method for detecting internal structures contained within the interior region of a solid object	345/424		Cline; Harvey E. et al.
US 5146557 A	USPAT	19920908		User interface for a golf green and a golf putt modelling system	715/723	345/636; 345/672; 434/252; 434/307R; 463/3; 715/784; 715/804; 715/961; 715/970; 715/974	Yamrom; Boris et al.
US 4984157 A	USPAT	19910108		System and method for displaying oblique planar cross sections of a solid body using tri-linear interpolation to determine pixel position dataes	345/424	345/428	Cline; Harvey E. et al.
US 4879668 A	USPAT	19891107		Method of displaying internal surfaces of three-dimensional medical images	345/424	345/426; 345/582	Cline; Harvey E. et al.
US 4831528 A	USPAT	19890516		Apparatus and method for improvement of 3D images derived from tomographic data	382/131	345/419	Crawford; Carl R. et al.
US 4821213 A	USPAT	19890411		System for the simultaneous display of two or more internal surfaces within a solid object	345/424	345/426; 378/901	Cline; Harvey E. et al.
US 4791567 A	USPAT	19881213		Three dimensional connectivity system employing an equivalence schema for determining connected substructures within a body	345/424	378/901; 382/131	Cline; Harvey E. et al.
US 4751643 A	USPAT	19880614		Method and apparatus for determining connected substructures within a body	382/132	378/901; 382/128; 382/274	Lorensen; William E. et al.



US 4729098 A	USPAT	19880301		System and method employing nonlinear interpolation for the display of surface structures contained within the interior region of a solid body	345/421	345/419; 345/423; 345/424; 600/425; 708/290	Cline; Harvey E. et al.
US 4719585 A	USPAT	19880112		Dividing cubes system and method for the display of surface structures contained within the interior region of a solid body	345/424	345/419; 345/426; 600/425	Cline; Harvey E. et al.
US 4710876 A	USPAT	19871201		System and method for the display of surface structures contained within the interior region of a solid body	345/423	345/419; 345/424; 600/425	Cline; Harvey E. et al.
US 4525858 A	USPAT	19850625		Method and apparatus for reconstruction of three-dimensional surfaces from interference fringes	382/154	345/419; 345/423; 345/426; 356/2; 356/605; 382/180	Cline; Harvey E. et al.

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